## THE CALEDONIAN, SI, JOHNSBURY, VT.

M. STONE & Co. Publishers.

to type) three insertions, \$1. Each additional inints a square. A liberal discount to those eaby the year. Liberations, Estrays, Notices Party vana & Co., 57 Park Row, New York, and Spect. Boston, 3t. d. S. R. Nilles, 1 Scollay's Buildterret. Boston, are our authorized Agents.

aways of all kinds done neatly and at living

All shads of Papers and Cards kept constantly

vewspaper Law.-1. A postmaster is re-Its give notice by letter (returning the patsons for its not being taken; and a negdo so makes the postmaster responsible to dishers for the cayment.

Any person who takes a paper regularly from st office-whether directed to his name or er-or whether he has subscribed or not, is

le amount whether it is taken from There can be no legal discon-If the payment is made.

bscriber orders his paper to be rtain time, and the publisher conit, the subscriber is bound to pay the takes it out of the post-office. The law the ground that a man must pay for

a newspapers and periodicals from the postin facie evidence of intentional fraud.

s. Johnsbury Business Directory. JOHN D. MILLER, Ag't,

BANGFACTURES OF RRIAGES OF ALL KINDS, OPPOSITE DEPOT, ST. JOHNSBURY, VI. tarriages repaired at short notice.

NUTT & MASON, HE MANUFACTURERS, STEAM MILLS, otic motives, and they have their reward in Opposite Passenger Depot.

E JEWETT, THE IN DRY GOODS, CROCKERY HARDWARE MISS E. B. LANG,

IN NEE Opposite the St Johnsbury House, Main st Miss E. McDOUGALL, WHILINERY & DRY GOODS.

apposite Caledonian, Office F. B. GAGE, ARTIST, OF JOHNSBURY PORTRAIT GALLERY. Melathotypes, and life-size Photographs hetter and cheaper than elsewhere. GEO. S. SHAW.

INSURANCE AGENT, J. Ross. - - Jewett's Building MINER & UNDERWOOD, UNITERS, GRAINERS & PAPER HANGERS,

GEORGE ALDRICH. Manufacturer and Dealer in FURNITURE.

N. B. FLINT, Manufacturer of HARNESSES, etc., -de Passumpsic House, - - Railroad street. C. C. CHILDS.

THER IN WATCHES, JEWELRY, SILVER AND WALE, SPECIACLES, BOOKS, STATIONERY, PANCY Goods, Toys, &c.
The and engraving done with elegance and prompttyposite Post Office, Main street. DANIELS & COOK.

VEAT AND PROVISION MARKET. upp. Passumpsic House, Railroad street WM. H. HORTON, CAR HANT TAILOR; and dealer in Gent's Fur-HOYT & GREEN,

half style is and dealers in Paints, Ohs, and Varnishes. Railroad street. H. H. NEWTON, DENTAL SURGEON.

The provide bank. - Main street.

II. C. DICKINSON. AND LITERAL WAREHOUSE & SEED STORE.

H. R. BROWN, 1. ARMINGTON,

Man the turer & Dealer in Furniture and Chairs, T. TRESCOTT. BRY STABLE. Passengers carried to and from the

S. NEWELL, M. D., PHYSICIAN AND SURGEON. Ulbre over Howard's Book-store, opposite Bank. 1. D. KILBOURNE, D. D. S.

DENTAL SURGEON, Online, - Corner Main and Central streets. A. J. WILLARD, TORNEY AND COUNSELLOR AT LAW.
Agent for the Vt. Mutual Fire Insurance Co.

T. M. HOWARD, Dealer in CICHES, JEWELRY, BOOKS, STATIONERY AND

FANCY GOODS. JOHN BACON, 2d, & CO.

St. Johnsbury Centre, Vt. J. ROSS, ACTORNEY, COUNSELLOR & SOLICITOR.

H. R. PADDOCK, TORNEY AND COUNSELLOR AT LAW. Barnet, Vermont.

N. B. Pensions and Bounties obtained.

J. R. DELANO & CO. RODUCE COMMISSION MERCHANTS 27 and 29 city whare, Boston.

1. A convenience would call the special attention of con1. Section 1 that they comine themselves exclu-

DAVID CHADWICK, CHOUNEY AND COUNSELLOR AT LAW. Geo. C. & Geo. W. CAHOON, ALTORNEYS AND COUNSELLORS AT LAW,

And Solicitors in Chancery,
and Fire lusinance Agents, - Lyndon, Vt J. G. DARLING & CO., LOTRING, DRY GOODS AND GROCERIES. Limenburg, Vermont.

HIMENEAL.

We have just received a new style of WEDDING CARDS -and-ENVELOPES.

They are very neat. Call and see them. C. M. STONE & CO.

MILITARY AND CLAIM AGENCY.

Will receive prompt attention.

L. PLEASANTS & G. O. WUNDER, on, or any of the former Wars-including Usions, \$100 Bounty, Bounty Land, Arrears of W. Recruiting Expenses, &c. &c.

Anditor's Offices, they feel capable of ren-Part of the accounts of Quarter-Masters, Com- her prosperity .- Louisville Journal. thes and other Disbursing Agents, their exof several years in the Auditor's offices tous, e chees, and proper and efficient proet then only are needed for their collection. Letters addressed to AUSTIN B. PAIGE, Washington, D. C.,

## Caledonian.

## ST. JOHNSBURY, VT., FRIDAY, NOVEMBER 7, 1862.

Vermont Conservatism.

From the Springfield Republican.

The conservatism that prevails in Vermont is of the right sort. It supports the administration energetically and unconditionally it belonged to the nation as well as to his in the prosecution of the war, and it cares family. Its touching pathos and high-toned nothing for the interests of party or political patriotism will awaken fresh regrets for the tion is completed. The union of all parties the Michigan regiments: for the sake of the Union has been successall arrearages, or the publisher may ridge democrats, too insignificant to be count- your children will be fatherless. send it until payment is made, and ed, Vermont is politically a unit. And the way, it may be stated that Gen. ——has the offices are given indiscriminately to those Had they done their duty as I did mine, and who were formerly Republicans and Democrats. The consequence is that the people of Vermont are of one heart in the support of day is Sunday, and to-day I sink to the green the government, and there is no opposing couch of our final rest. party, and no such miserable scramble for the offices as is now disgraping other states. I have fought well, my darling, and I was shot in the endeavor to rally our broken batnimity and generosity as those of Vermont. time he will give us victory. And in that state, it is to be remembered, movement honestly and from purely patri- who gave manna in the wilderness.

> Senator Foot, just re-elected by the Vermont legislature to another term in the United States Senate, has been commonly con- I hope that from heaven I may see the glosidered a conservative Republican, and so he rious old flag wave again over the undivided is, but he is man enough to see that the Union I have loved so well. first duty of conservatism is to support the We shall meet again. Your loving government in this crisis. He delivered an elaborate address at Montpelier, on Thurslay last, at the invitation of the legislature, A Southern Woman's View of the War. upon the condition of the country, from

the heart to set himself to the miserable work "As to the present fearful struggle between for the defense of our common country, tribution which father foretold when he said (Applause) Such a man is, to say the least, to me, the sun of slavery will set in blood: unmindful of his first and greatest duties to and he added, I hope it will not be in my day."

the degradation and death of the republic. ing tears of blood for the slain of my people. we are bound by any obligation to approve er is, 'Thy will be done.' As to who shall or even yield a quiet acquiescence to every wear the laurels of the conquerer, I have no act of the executive government in the con- will: I utter no petition: my faith is that der in Strates, The Whar. Wooden & Glass earnest appeal to the executive to ask for humanity; until we are worthy to exhibit to of next year. evil, and if it shall be found that we have cousness, and administering to the poor and from being indiscriminate opposition to the alted." rebellion, is the most fruitful service to the country, especially when it is done in good faith; and let us, then, in this great contest,

if need be, for the republic, "But some one may ask, is this to be an am in favor of an abolition war. (Applause.) I am for an abolition war for the total extermination of this rebellion. And who is not in favor of such a war? You perhaps ask further, is it the object of this war to free slaves or abolish slavery? I answer it is not. The object of the war is to support the government. The object is to subdue as well as the government, in the following the country we must put down the rebellion, and interesting character. Mr McKay, as and this cannot be done in any other way than by striking at the foundation; and if in putting down the rebellion, the cause of tical shipbuilder, and a man whose opinions it comes down, I would not on that account upon naval affairs and the construction of abate one whit the vigor of the war. (Ap- vessels-of-war are of the first importance. plause.) But I am asked again whether we have any constitutional right to liberate the slaves. I answer that the rebel in arms against the government forfeits the right to close observer of matters now in progress in protection under the constitution which he them, and this article is a full and lucid acseeke to overthrow and destroy. The trai- count of his observations. It is a subject of cept the conceded right of being hung by the deep interest to us as a nation, and will claim neck until he is dead. (Applause.) And the careful consideration of our naval authorthe sooner he is admitted to the full fruition ities. of this exalted privilige, the better for his

country." (Applause.) dulgent of patrons.

the prosecution and settlement of Claims without parallel. The fact is ascribed to the built at salubrious influence of the Yankee troops upon the atmosphere. New Orleans must never The French possess in addition to 10 iron- let me give you some facts. a duable aid in all disputed and suspended, discovery of a preventive of the terrible mala- lowing iron-cased vessels affoat:

> it : old Buck loves money too well. If true. however, it is the old story-"a fool and his money soon parted." Stevens was elected by four thousand majority.

The Last Words of a Dying Hero.

The following letter of Col. Broadhead killed in one of Pope's battles, to his wife,

My Dearest Wife: I write to you, morfully carried through in Vermont, and with tally wounded, from the battle-field. We If a person orders his paper discontinued, the exception of a little fragment of Breckin- are again defeated, and ere this reaches you

union is not nominal, but real and hearty, and been outwitted and that --- is a traitor. in triumph.

the offices as is now disgracing other states. tallions. I could have escaped, but would The same unanimity might have prevailed in not until all hope was gone, and was shotremoving and leaving them uncalled for, all the states, if the office-holders of the dom- about the only one of our forces left on the

And now good bye, wife and children. there were no selfish motives to such a un- Bring them up, I know you will, in the ion, because the Republicans were strong fear of God and love for the Saviour. But enough to hold the state under any circum- should die happy. I know the blow will fall stances. But they went into the no-party with crushing weight on you. Trust in Him

the noble position taken by the entire people sending messages to you.

of the state for the support of the govern-Two bullets have gone through my chest, and directly through the lungs. I suffer but little now, but at first the pain was acute. ning down other vessels. have won the soldier's name, and am ready Farewell, wife and babes, and friends. -13t knots per hour.

above party politics, and giving her support even so to them.' for 'with what measure ve tained the rebellion must triumph. If party ruthlessly sundered the tenderest ties of huinterests divide the supporters of the govern- manity. Parents and children, husbands and effect, if not an act, opposition to the war, is of the sick, the wounded and dving. How submission to the success of the rebellion, is many widows and orphans are this day weepluct of the war. So far from it, it becomes God will try us in the furnace until we are yet less draught of water. our highest public duty by a respectful and prepared to carry out his grand design for and earnestly insist upon the correction of the nations of the earth a people loving right-

From the Commercial Bulletin. vy Yards.

Ships of War now in course of construction in the Navy Yards of France and England.

BY DONALD MCKAY.

We are enabled to lay before our readers. the rebellion and save the country. To save account, information of the most important the public are well aware, is a thorough prac-

He has just completed a tour through the French and English navy vards; has been a

coated with 41 inch plates.

class: Gloire, Normandie, Invincible and Prince, her sister ship, in all respects alike to The speed expected to be realized by the sides of the Warrior has successfully and en- too low. - Low.

provided with a casing, and of course it will short time of 6 weeks. be given up to destruction in case of a fight. The trial speed of the Resistance, with a es, their wales are 8 inches thick, and the Scott Russell's, 84 inches. The rivets fastenhad led as I did, the dear old flag had waved Their length is 257 feet, breadth 56 feet, and clean bottom, all stores on board, has been ceiling 6 to 8 inches. All the wales are co- ing the armor plates to the skin of the vessel

are constructed of timber.

3. Two iron cased ramships, Solferino from the following official account: Dr Nash is with me. It is now after mid- upper part ornamented with an eagle. About On the starboard side, however, the barnacles are admirably planned, the ventilation perfect riveted together, have been penetrated with night, and I have spent most the night in 3 feet below the load line, attached to the extended from stem to stern, with an immense throughout, the arrangements for freeing the the greatest facility by 68-pounder solid shot.

to meet now, as I must, the soldier's fate. vessels are plated under the deck-plank with large as conks. From the stem to abreast execution of the plans. I have not the inch plate.

ing iron-cased vessels :

A letter written by a southern woman now a few days since launched) of the Peiho-class, rust, more particularly under the quarter, 91 gunships, yet on the stocks, will be con- the English can muster in a year and a half which we take the following paragraphs as residing in the North to her sister in South of 14 guns and 150 horse-power, built like have eaten their way through." indicating his position and that of the state: Carolina, is published, in which the following them of timber. They have no rudder, and Let our government look well at these the same plan. The armament of these ships ettes, all fit for foreign service and for an agof restoring old party organizations, when liberty and slavery, I am dumb : I open not perience having shown that the common rud- Monitors, which for service at sea I consider and in 100 and 150-pounder Armstrong rifled If we compare with these immense fleets our brethern of all parties are in the field my mouth. I see in it only the terrible reders are entirely insufficient for steering these as failures.

2. Seven smaller iron-cased floating bat- lish iron-cased ships now building. his country. Our own Vermont has set an That prayer was granted; that prophecy is teries for harbor defence, built of iron. Three 1st. Ships built of iron. honorable and praisworthy example in this now in its fulfillment; the language of Christ of them, the Arrogante, Implicable and The Achilles, building at Chatham, a sister being transformed into a shield-ship, on Capt regard and I honor her for it, and I am is this day being accomplished, 'Whatsoever Opiniatre, are building at Nantes in the pri- ship to the Warrior, with some slight altera- Cole's plan. Her dimensions before the conof need. Our executive government has the sister, how it seems to me the Negro and the able, Protective and Refuge, are building at the ships some new features, indeed great feet. The length remains unaltered, but her control of the war, and unless that be sus- Indian claim of God this promise. We have Bordeaux in the yard of Mr Arman. All improvements, will be introduced. She will breadth will be increased by 2 feet 1 inch, ment, the rebellion must triumph, and the wives, have been torn asunder; and new vice, but merely planned for the protection the loadline; but her battery will be iron- has been cut down to her main deck, which

abolition war? I answer, it is, and that I A Full Account of all the English and French enne, are built of timber. Only one, the and we see in that one of the reasons why so of 800 horses, and her actual speed is 12.25 and her practical construction very well exe-

If peace should continue it will take about ner whenever they strike bottom. five years to complete these frigates, but if The Hector and Valiant, of 32 guns, 4,063 parties that vessels of her kind, like all the the way of fastening her plates will not stand circumstances should dictate, every one of tons and 800 horse-power, are building. The rest of the Monitor family, are only good the test of a heavy cannonade, for in the exthem could be ready for sea by the end of first at Glasgow, the second at Newcastle .- for harbor defence, but not fit for fighting at periments made in England with armor plates

cased ships. Completed, are only the follow- to be plated. terial, (notwithstanding all the advantages of 10 inches of timber. PARIS, 22d Sept, 1862. strength, lightness, etc, which it may offer,) The armament of these ships will consist A small vessel on this plan, the Enterprise, and not exceeding a draught of water of 54 MR EDITOR :- As I promised you long ago on account of the inevitable fouling of the all in 68-pounder solid shot-guns, and 100 is building at Deptford dockyard. She has a feet. With less draught it is impossible to

What a charming thing is British to inform you of the naval constructions go- bottom and consequent loss of speed. The and 110-pounder Armstrong guns. Their length of 180 feet, and a impart to such large ships the above high "neutrality"! The rebels become the pro- ing on in the English and French navy yards, French have well weighed this question, and, trial speed has been estimated and calculated draught of water of 15 feet. Her engines teges of John Bull; he builds war ships for and as I have just completed a tour through therefore, with only two exceptions, have con- at 14.30 knots, and without any doubt they will be of 160 horse-power, and her speed is they can be coppered, thus avoiding loss of them : fits out pirates for them at his own these vards. I now give you a correct account structed their whole iron-cased fleet of tim- will be formidable vessels. ports: furnishes them with arms and ammu- of what is going on there; speaking first of ber. Iron bottoms do very well for mailboats The Prince Albert, of 12 guns, 2,529 tons armament of 4 Armstrong 100-pounders. nition : sends out fleets of steamers laden iron-cased ships, as ships not protected with that keep almost continually in quich motion, and 500 horse-power, is building at Millwall. The larger class, of which the Favorite, with delicacies for them ! runs the gauntlet an iron armor will hardly play any part in and by the consequent great friction of the She is to be provided with six cupolas or tur- converting at Deptford, is a sample, has 400 of our blockaders to send them succour: future naval warfare. For common peace- water clean their bottom; but the case with rets on Capt Cole's plan. She is to be plated horse-power and a speed of about 11 knots. puffs them in his newspapers: pats them on service the old kind of ships will be probably men-of-war ships is entirely different, they with 54 inch iron, but even that has not been The Enterprise will be finished this year; the the back : says "good boys" to them : tells continued on foreign stations, but for actual only go, in exceptional cases with full speed, decided yet. The opinion of nearly all prac- Favorite in the course of next. them they are Lound to succeed: and sus- warfare their time is past. I begin with the and have frequently to lay still for several tical men is decidedly against these shieldtains their drooping spirits by vague hints French naval constructions, because the sys- months and even for years. All the prepara- ships. of "recognition." Surely, he is the most in- tem of iron-casing ships originated with tions for painting the bottoms of iron-cased ships shell are continued here at Shoeburyness of timbers, are found in general to have very them, and they have brought it at once to to prevent them from fouling have entirely in process of construction, of which so far and Portsmouth, and without going into any There has been no yellow fever in New such perfection, that with only very slight failed to attain the object for which they were four classes have been adopted.

then familiar with these accounts. chanan gave \$10,000 to be expended for the speed is 64 knots per hour, considered to be than 10 knots. The ship had lost in this verted are the Ocean and Prince Consort, armor plates by a quantity equal in weight to A sare lying dormant on the books defeat of Thad. Stevens. We don't believe perfectly sufficient for the purpose. They are short time fully two knots of her true speed each of 1,000 horse-power and 34 guns; and the withdrawn wood-backing have entirely (due to her shape and power) merely on ac- the Caledonia, Royal Oak and Royal Alfred, failed. 2. Four iron-cased frigates of the Gloire- count of fouling of the bottom. The Black each of 800 horse-power and 34 guns.

30-pounders, and have engines of 900 horse- Penn-only six weeks had elapsed since the speed of the three latter ships is estimated at Three other targets have been erected afpower. Their speed is 134 knots per hour; vessel left the dry dock, but yet her bottom 11.50 knots per hour. written in his dying moments, has been pub- they rather pitch a good deal in heavy weath- was so foul, that notwithstanding the most The Prince Consort and Royal Oak have and Scott Russell, where armor plates of inlished at the request of friends who believed er, but their rolling motions are remarkably favorable weather and a smooth sea, she on- been lately launched. They are partly plated creased thickness were applied directly on easy. These ships are plated from stem to ly realized a mean trial speed of 12.209 knots, and will be ready for service in the course of the iron skin of the vessei, but they entirely

stern, from 61 feet below the load line to the fully 2.145 knots less than the speed of the this year. The dimensions of these ships broke down, and were in a short time totally death of this noble soldier and true man, upper deck, with plates of 4.34 inches in Warrior. The ship was brought now again are: Length between the perpendiculars, 273 destroyed by the fire of a 68-pounder smoothaspirants until the work of saving the na- death of this noble soldier and true man, upper deck, with plates of 1.57 inches in the dry dock, got her bottom cleaned, feet; breadth, extreme, 58 feet 5 inches; bore gun. Thus showing it is absolutely necments from an iron-cased tower, placed be- and in her last trial trip she attained a speed breadth, moulded, 56 feet 4 inches; depth of essary to back the iron casing with a great hind the mainmast. This tower also contains of 13.317 knots. Though fully one knot less hold, 19 feet 10 inches; burthen in tons, thickness of wood. the steering wheel. The officers' rooms are than the Warrior, yet showing that the ship 4,046 26-94. The ships are built in the most I will state here that the entire thickness all under a large, roomy poop-deck, well ven- had lost in her previous trial fully 1.008 knots substantial manner, and are of the very best of iron (armor plates and skin of the vessel) Before I die, let me implore that, in some tilated with large windows. This poop is not on account of fouling of her bottom in the materials. Their frames have at the height to be penetrated was, in the case of Fair-

stem inclines from the load line upwards in a and mussels here and there on the port side, structed either in England, France or Amer- Monitor casing, composed of a great number graceful hollow line backwards, and is on the together with a good sprinkling of barnacles, ica. The interior arrangements and fittings of successive layers of thin plates of iron stem and forepart of the vessel, is a heavy quantity of weeds and long grass; the latter ships of water are of the most complete It was even proved by the experiments that wrought-iron spar of 16 tons weight, for run- in some places, as under the counter, full 3 kind; and on the whole, this class of ships 8 single thicknesses of of one-inch plates rivfeet in length. Large mussels, too, extended gives the highest credit to its designers and eted together will not offer more resistance to The decks of all these before-mentioned fore and aft in clusters, hanging in places as to those officers that were charged with the shot than a single well hammered, solid 3inch iron. The speed of these two ram. the forechains on this side, about 3 feet be- slightest doubt that this class of ships will A further experience gained is that plates ships is even higher than that of the Gloire low the waterline, a belt of mussels adhered prove to be the most effectual and useful in hammered of well selected iron offer more reto the ship's bow of from two to five inches future naval warfare, and that we ought to sistance to shot than rolled plates of the same On the stocks the French have the follow- in thickness, and from 1 to 2 feet broad. have ready in the United States at least a thickness. The whole of the composition which had been dozen of similar frigates, with modifications In conclusion, we see that the 1. Two iron-cased floating Latteries, Paix- laid on to protect the iron on this side ap- in their shape and dimensions to adopt them have by the end of next year a fleet of 16

will be steered by large fins or leeboards, ex. facts before they increase their fleet of iron will consist in 68-pounder solid shot guns, gressive warfare.

I shall give you now an account of the Eng. and of immense strength.

these batteries are not destined for sea-ser- be cased from stem to stern in the vicinity of making her tonnage 3,765 tons. The ship The seven just named batteries have en- running across the main deck. Her power considerably depressed. The ship will carry 3. Ten iron-cased frigates, on a similar stand the test of strength applied to it. Hun- head be entirely protected. unworthy officers in councils of war or of the oppressed justice and mercy. Then will plan as the Gloire, but with a little greater dreds of tons of angle-iron and plate-iron. The top sides of the vessel have been struck with a speed of 3 or 4 knots or even state, in whatever department they may be the sword be stayed, and the proud and length and more height of battery. While have been condemned there already on this strengthened with two thicknesses of diagofound, to ask for their removal. This, far haughty humbled, and God alone will be extant the Gloire and her sister ships have only 6 account. Another great reason against the nal plank, of respectively 3 and 4 inches, feet height of battery, the new frigates will adoption of iron ships. The government crossing each other at an angle of 45 degrees, have their ports 71 feet above the water .- test for iron is 22 tons with the grain, and 19 and the armor plates of 54 inches in thick-Nine of these frigates, viz: the Provence, tons across the grain. In the private yards ness will be applied on these. The ship will the only one that might successfully cope with give all our hearts, and possessions, and lives, American Inspection of Foreign Na- Savoie, Revancke, Flandre, Gauloise, Mag- where no control of that kind is exercised, of have no masts and sails, and only will be the large English frigates is the Ironsides, nanime, Valeureuse, Surveillante and Guy- course good and bad plates are worked in, moved by steam. Her engines have a power built in Philadelphia. She is well planned,

Their estimated speed is 11.75 knots. Noth- sea.

ing: Warrior and Black Prince, of 40 guns The Egincourt, Minotaur and Northumber- got a temporary appointment in the navy.and 1.250 i orse-power; and the Defence and land, of 50 guns, 6,621 tons and 1,350 horse- The characteristics of these ships are that Resistance, of 18 guns and 600 horse-power, power, are building respectively at Birken- they are only plated a little above and below These four ships are armed with long 68- head, Blackwall and Millwall. They will be the loadline and the midship part of the vespounder solid shot guns, and 100-pounder ri- cased from stem to stern with 51 inch iron sel containing the guns. The object of the fled Armstrongs. The Warrior and Black plates on a wooden backing of 10 inches, at design is to relieve the ends of his vessels of pete with any European frigate. Prince are, undoubtedly, most powerful and least that was the original plan; if it will be weight, and so far his plans agree with fast vessels, far superior to any other iron- carried out thus is yet doubtful, for the latest those I proposed to our Navy Department 18 cased vessels affoat, and the only objection I experiments have already proved that 41 inch months ago -but in rain. Here the plan has see against them is that they are built of iron. iron on 22 inch timber backing (like the War- found great favor with the Admiralty, and a ly necessary that we should have at least Iron for the construction of the bottom of rior) offer much better security against the great number of 36 gun frigates are to be twenty large, powerful iron cased frigates, men-of-war ships is a most objectionable ma- effects of shot, than 51 inch iron backed by transformed into iron-cased sloops on this that can be used also as rams, of at least 12

Orleans this year. The health of the city is alterations the ships now on the stocks are invented, and are now recognized to be only The first and by far the most formidable experience gained thereby. Of all the syswithout parallel. The fact is ascribed to the built after almost the same plans as the so many humbugs. To show you the bad class are the frigates of 34 guns, converted tems proposed for armor plating ships that effects of iron bottoms for men-of-war ships, from the 91 screw line-of-battle ships, laid adopted for the Warrior (and in France for tages in this respect, and in the constructhink of doing without them hereafter in the cased floating batteries, constructed during The trial speed of the Warrior, with all her two decks, lengthened amidships, the shape sults, and it has been proved, with no chance only thick stuff and plank of from 40 to 60 think of doing without them begot in no other bear all the contradiction, that a strong wooden back- feet in length, which can be got in no other bear all the contradiction, that a strong wooden back- feet in length, which can be got in no other back- feet in l Her mean speed at sea, at her first cruise, was acting as rams, and the stern altered to a ing is absolutely necessary to make the ar-The month of for what cause suspended. It was floating batteries, Peiho and Sai- 12½ knots. After having been six months at somewhat similar shape as the Gloire, yet mor plates resist the impact of shot, and that abundance in Delaware and Clie. gon, of 14 guns each, 150 horse-power, des- sea, her trial speed is now 12½ knots per presenting a much lighter and handsomer ap- all attempts to reduce the wood-backing in In addition to the frigates, we ought to It is reported that Ex-President Bu- tined for herbor and coast defence. Their hour, and her mean strength at sea not more pearance than that ship. The ships thus con- thickness and increase the thickness of the

Couronne. They are armed with 36 rifled her, her engines built by the same firm, John two first ships is 12.40 knots per hour; the shattered by the 68-lb solid shot.

of the load line a thickness of about 14 inch- bairn's target 64 inches; Samuda's 7 inches;

depth 27 feet. With the exception of the proved to be 11.356 knots; what it probably aged to the timbers. The iron plates with were in the two former targets entirely jarred I wrote to you yesterday morning. To- Couronne, which is built of iron, these ships will be now, after the ship has been laying which the ships are cased from five feet below to pieces, so that the armor plates might have only 8 weeks in the Medway, you may judge the load line to the upper deck are 44 inches dropped off the sides of the vessel. In Scott in thickness, tapering to 3 inches at the stem Russell's target the armor plates had no fasand Magenta, of 52 guns and 1000 horse- "The Resistance, 18 guns screw iron frig. and stern. The upper deck beams are of iron, tenings in them, but they were united to the power. Both ships are built of timber. The ate, was placed in dock at Portsmouth on the and the deck is iron-plated with 1 inch to 2 skin of the vessel by wedge-shaped angleiron casing up to the main-deck extends from 9th Sept inst, and her bottom found to be in inch plates under the deck plank. A great irons, and the plates hung vertical instead of inent party had exercised the same magna- field. Our cause is just, and our generals, stem to stern, but the two batteries are only an extraordinary state for a ship on the home many ingenious and highly practical details horizontal. This way of fastening seemed to not the enemy's have defeated us. In God's cased amidships, covering 13 guns in each station, bearing more the appearance of hav- are introduced in the fastening and working be well devised, but it did not prevent the battery or each deck. The batteries are con- ing gone through a long commission on the of the armor plates (impossible to describe plates from being penetrated by the 150-lb tinued (outside of an iron-cased bulkhead) to coast of Africa. The entire bottom of the without detailed sketches) that will render shot, which made a clean hole through the stem and stern, similar to the Warrior, and ship was covered with weeds and long grass the iron armor of these ships more effectual target. for you and the dear ones dependent, I left to destruction in case of a fight. The of every kind and color, with huge patches than that of any other class of ships con-

hans and l'alestro, (the first of these has been pears to have been destroyed, and patches of to our requirements. Several of the other iron-cased frigates fit for foreign service, and verted into iron-cased frigates on precisely 16 iron-cased frigates and 2 iron-cased cover-

The Royal Sovereign, formerly a screw line-of-battle ship of 131 guns, is at present vate establishment of Messrs Gouin & Gai- tions in the shape of her bottom, which is a version were: Length between perpendicuto the executive government in this its hour mete it shall be measured to you again.' Oh, bert. The four others, Embuscade, Impren- little fuller in the bilge. In the plating of lars, 240 feet 6 inches; breadth extreme, 60 Union is lost. Organized opposition to the Jehovah is giving us the same bitter cup to of the harbors. Or course they also would cased only to the same extent as that of the has been raised 10 inches at the side, and 26 in, is simply ridiculous, in which statement I executive government in such a crisis is, in drink, on the battle field and in the hospital be of great service in the bombardment of Warror; and, like her, the cased part will be inches in the middle, to form a kind of glaguarded by two strong iron-cased bulkheads cis, allowing the guns in the turrets to be "I am not to be understood as saying that I feel in this awful crisis as if my only pray- gines of 150 horse-power, and are armed with and armament will be like that of the War- four turrets, each one of which will contain S heavy guns. They are shorter and broad- vior, on which ship she will be a great im- two 150 or even 300-pounder Armstrong gree of speed, and if they should fall in with er than those of the Peiho-class, and have provement. Her speed is estimated at 14.10 guns. The stern of the ship has been very knots. It will take fully two years to finish much altered, and the counter lowered about will be terribly handled, and in all probabili-They will be completed for sea by autumn her, because the government finds the great- 10 feet, so that the rudder post may enter ty run down. Do not think that this could est difficulty in procuring iron which will the ship below the load line, and the rudder not be done because the Merrimac failed in

Heroine, is building of iron at L'Orient. many ships break up in such a fearful man- knots per hour. Though the vessel will carry a powerful armament it is conceded by all good points of the vessel to advantage, and

I come now to the English fleet of iron- ing has been decided yet how these ships are There are two other classes of ships building on plans of Mr Reed, naval architect, who the inside of the plate whenever a heavy shot

estimated at 9.50 knots. She will carry an speed on account of the fouling of the bot-

The experiments with regard to the resistance of iron armor plates against shot and details, I will merely mention the results of owing to the short lengths of plank which down in 1859. These ships were cut down the Gloire) have given decidedly the best re-

tirely withstood the battering of 68-pounder cast and wrought iron shot, as well as the 100, 110 and 150-pounder wrought and cast iron shot thrown from the Armstrong rifled guns, and it only was at last penetrated by shot from the 300-pounder Armstrong gun. The Warrior target is plated with 14 inch iron plates on 18 inches of wood-backing.

The target representing the side of the Minotaur being plated with 51 inch iron, on a wood-backing of 9 inches, was penetrated by the 150-lb Armstrong shot, and badly

ter plans furnished by Mr Fairbairn, Samuda

guns, 34 in all. Their masts are all of iron the iron-cased navy of the United States impartially, we have to acknowledge that in case of a war with either of the above powers, we would have to keep entirely on the defensive. to submit to a disgraceful blockade, and to leave our merchant ships all over the globe tors which we are building by the dozen, are entirely unfit to break a blockade or to act on the high seas, for to say that these vessels are good seaboats, or suitable for men to live shipbuilders of any note.

With their very light draught of water these Monitors never can obtain a high deany of the large frigates in deep water, they her attempt to run down the Monitor. She not so much as that, but a mass of 6 to 9,000 knots would give a different result.

Of all the iron-cased ships which we have, similarly fastened by screw bolts screwed in from the inside, the bolts broke off short on strikes the plate near such bolts.

It is satisfactory to know that Mr Webb has got a contract for building an iron cased ship according to his own plans. He certainly will produce something able to com-

Not to be compelled to keep on the defensive (in itself a defeat) in case of a war with any of the great naval powers, it is absoluteknots speed, capable to carry ten days coal, tom. In case of these ships striking, a wooden bottom never is injured in a like manner as an iron one invariably is, and besides the wooden frame affords a much betcan be afforded in a ship built entirely of

European ships of great length, and built little longitudinal strength, which is entirely

\* She has been built after plans almost identical to those proposed 18 months ago to our gov-erament by Donald McKay, with the exception The target representing a portion of the speed, notwithstanding their report his speed was